

# The Western Journal of Medicine®

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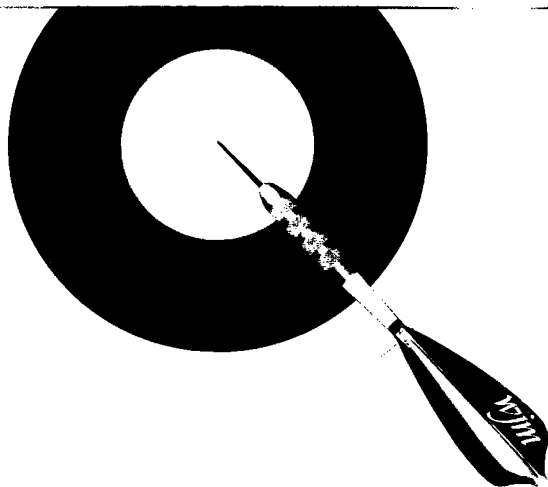
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**Description:** Yohimbine is a 3a-15a-20B-17a-hydroxy Yohimbine-16a-carboxylic acid methyl ester. The alkaloid is found in Rubaceae and related trees. Also in Rauwolfia Serpentina (L) Benth. Yohimbine is an indolalkylamine alkaloid with chemical similarity to reserpine. It is a crystalline powder, odorless. Each compressed tablet contains (1/12 gr.) 5.4 mg of Yohimbine Hydrochloride.

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Yohimbine exerts a stimulating action on the mood and may increase anxiety. Such actions have not been adequately studied or related to dosage although they appear to require high doses of the drug. Yohimbine has a mild anti-diuretic action, probably via stimulation of hypothalamic centers and release of posterior pituitary hormone.

Reportedly, Yohimbine exerts no significant influence on cardiac stimulation and other effects mediated by B-adrenergic receptors, its effect on blood pressure, if any, would be to lower it; however no adequate studies are at hand to quantitate this effect in terms of Yohimbine dosage.

**Indications:** Yocon® is indicated as a sympatholytic and mydriatic. It may have activity as an aphrodisiac.

**Contraindications:** Renal diseases, and patient's sensitive to the drug. In view of the limited and inadequate information at hand, no precise tabulation can be offered of additional contraindications.

**Warning:** Generally, this drug is not proposed for use in females and certainly must not be used during pregnancy. Neither is this drug proposed for use in pediatric, geriatric or cardio-renal patients with gastric or duodenal ulcer history. Nor should it be used in conjunction with mood-modifying drugs such as antidepressants, or in psychiatric patients in general.

**Adverse Reactions:** Yohimbine readily penetrates the (CNS) and produces a complex pattern of responses in lower doses than required to produce peripheral alpha-adrenergic blockade. These include, anti-diuresis, a general picture of central excitation including elevation of blood pressure and heart rate, increased motor activity, irritability and tremor. Sweating, nausea and vomiting are common after parenteral administration of the drug.<sup>1,2</sup> Also dizziness, headache, skin flushing reported when used orally.<sup>1,3</sup>

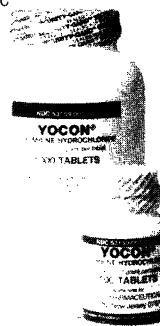
**Dosage and Administration:** Experimental dosage reported in treatment of erectile impotence.<sup>1,3,4</sup> 1 tablet (5.4 mg) 3 times a day, to adult males taken orally. Occasional side effects reported with this dosage are nausea, dizziness or nervousness. In the event of side effects dosage to be reduced to 1/2 tablet 3 times a day, followed by gradual increases to 1 tablet 3 times a day. Reported therapy not more than 10 weeks.<sup>3</sup>

**How Supplied:** Oral tablets of Yocon® 1/12 gr. 5.4 mg in bottles of 100's NDC 53159-001-01 and 1000's NDC 53159-001-10.

### References:

1. A. Morales et al., New England Journal of Medicine: 1221, November 12, 1981.
2. Goodman, Gilman — The Pharmacological basis of Therapeutics 6th ed., p. 176-188. McMillan December Rev. 1/85.
3. Weekly Urological Clinical letter, 27:2, July 4, 1983.
4. A. Morales et al., The Journal of Urology 128: 45-47, 1982.

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**AXID<sup>®</sup>****nizatidine capsules**

**Brief Summary. Consult the package insert for complete prescribing information.**

**Indications and Usage:** 1. *Active duodenal ulcer*—for up to 8 weeks of treatment at a dosage of 300 mg h.s. or 150 mg b.i.d. Most patients heal within 4 weeks.

2. *Maintenance therapy*—for healed duodenal ulcer patients at a dosage of 150 mg h.s. at bedtime. The consequences of therapy with Axid for longer than 1 year are not known.

3. *Gastroesophageal reflux disease (GERD)*—for up to 12 weeks of treatment of endoscopically diagnosed esophagitis, including erosive and ulcerative esophagitis and associated heartburn at a dosage of 150 mg b.i.d.

**Contraindication:** Known hypersensitivity to the drug. Because cross sensitivity in this class of compounds has been observed, H<sub>2</sub>-receptor antagonists, including Axid should not be administered to patients with a history of hypersensitivity to other H<sub>2</sub>-receptor antagonists.

**Precautions:** *General*—1. Symptomatic response to nizatidine therapy does not preclude the presence of gastric malignancy.

2. Dosage should be reduced in patients with moderate to severe renal insufficiency.

3. In patients with normal renal function and uncomplicated hepatic dysfunction, the disposition of nizatidine is similar to that in normal subjects.

**Laboratory Tests**—False-positive tests for urobilinogen with Multistix<sup>®</sup> may occur during therapy.

**Drug Interactions**—No interactions have been observed with theophylline, chloridazepoxide, lorazepam, lidocaine, phenytoin, and warfarin. Axid does not inhibit the cytochrome P-450 enzyme system; therefore, drug interactions mediated by inhibition of hepatic metabolism are not expected to occur. In patients given very high doses (3,900 mg) of aspirin daily, increased serum salicylate levels were seen when nizatidine, 150 mg b.i.d., was administered concurrently.

**Carcinogenesis, Mutagenesis, Impairment of Fertility**—A 2-year oral carcinogenicity study in rats with doses as high as 500 mg/kg/day (about 80 times the recommended daily therapeutic dose) showed no evidence of a carcinogenic effect. There was a dose-related increase in the density of enterochromaffin-like (ECL) cells in the gastric oxyntic mucosa. In a 2-year study in mice, there was no evidence of a carcinogenic effect in male mice, although hyperplastic nodules of the liver were increased in the high-dose males as compared with placebo. Female mice given the high dose of Axid (2,000 mg/kg/day, about 330 times the human dose) showed marginally statistically significant increases in hepatic carcinoma and hepatic nodular hyperplasia with no numerical increase seen in any of the other dose groups. The rate of hepatic carcinoma in the high-dose animals was within the historical control limits seen for the strain of mice used. The female mice were given a dose larger than the maximum tolerated dose, as indicated by excessive (30%) weight decrement as compared with concurrent controls and evidence of mild liver injury (transaminase elevations). The occurrence of a marginal finding at high dose only in animals given an excessive and somewhat hepatotoxic dose, with no evidence of a carcinogenic effect in rats, male mice, and female mice (given up to 360 mg/kg/day, about 60 times the human dose), and a negative mutagenicity battery are not considered evidence of a carcinogenic potential for Axid.

Axid was not mutagenic in a battery of tests performed to evaluate its potential genetic toxicity, including bacterial mutation tests, unscheduled DNA synthesis, sister chromatid exchange, mouse lymphoma assay, chromosome aberration tests, and a micronucleus test.

In a 2-generation, perinatal and postnatal fertility study in rats, doses of nizatidine up to 650 mg/kg/day produced no adverse effects on the reproductive performance of parental animals or their progeny.

**Pregnancy—Teratogenic Effects—Pregnancy Category C**—Oral reproduction studies in rats at doses up to 300 times the human dose and in Dutch Belted rabbits at doses up to 55 times the human dose revealed no evidence of impaired fertility or teratogenic effect; but, at a dose equivalent to 300 times the human dose, treated rabbits had abortions, decreased number of live fetuses, and depressed fetal weights. On intravenous administration to pregnant New Zealand White rabbits, nizatidine at 20 mg/kg produced cardiac enlargement, coarctation of the aortic arch, and cutaneous edema in 1 fetus, and at 50 mg/kg, it produced ventricular anomaly, distended abdomen, spina bifida, hydrocephaly, and enlarged heart in 1 fetus. There are, however, no adequate and well-controlled studies in pregnant women. It is also not known whether nizatidine can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Nizatidine should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

**Nursing Mothers**—Studies in lactating women have shown that 0.1% of an oral dose is secreted in human milk in proportion to plasma concentrations. Because of growth depression in pups reared by treated lactating rats, a decision should be made whether to discontinue nursing or the drug, taking into account the importance of the drug to the mother.

**Pediatric Use**—Safety and effectiveness in children have not been established.

**Use in Elderly Patients**—Healing rates in elderly patients were similar to those in younger age groups as were the rates of adverse events and laboratory test abnormalities. Age alone may not be an important factor in the disposition of nizatidine. Elderly patients may have reduced renal function.

**Adverse Reactions:** Worldwide, controlled clinical trials included over 6,000 patients given nizatidine in studies of varying durations. Placebo-controlled trials in the United States and Canada included over 2,600 patients given nizatidine and over 1,700 given placebo. Among the adverse events in these placebo-controlled trials, only anemia (0.2% vs 0%) and urticaria (0.5% vs 0.1%) were significantly more common in the nizatidine group. Of the adverse events that occurred at a frequency of 1% or more, there was no statistically significant difference between Axid and placebo in the incidence of any of these events (see package insert for complete information).

A variety of less common events were also reported; it was not possible to determine whether these were caused by nizatidine.

**Hepatic**—Hepatocellular injury (elevated liver enzyme tests or alkaline phosphatase) possibly or probably related to nizatidine occurred in some patients. In some cases, there was marked elevation (>500 IU/L) in SGOT or SGPT and, in a single instance, SGPT was >2,000 IU/L. The incidence of elevated liver enzymes overall and elevations of up to 3 times the upper limit of normal, however, did not significantly differ from that in placebo patients. All abnormalities were reversible after discontinuation of Axid. Since market introduction, hepatitis and jaundice have been reported. Rare cases of cholestatic or mixed hepatocellular and cholestatic injury with jaundice have been reported with reversal of the abnormalities after discontinuation of Axid.

**Cardiovascular**—In clinical pharmacology studies, short episodes of asymptomatic ventricular tachycardia occurred in 2 individuals administered Axid and in 3 untreated subjects.

**CNS**—Rare cases of reversible mental confusion have been reported.

**Endocrine**—Clinical pharmacology studies and controlled clinical trials showed no evidence of anti-androgenic activity due to nizatidine. Impotence and decreased libido were reported with similar frequency by patients on nizatidine and those on placebo. Gynecomastia has been reported rarely.

**Hematologic**—Anemia was reported significantly more frequently in nizatidine than in placebo-treated patients. Fatal thrombocytopenia was reported in a patient treated with nizatidine and another H<sub>2</sub>-receptor antagonist. This patient had previously experienced thrombocytopenia while taking other drugs. Rare cases of thrombocytopenic purpura have been reported.

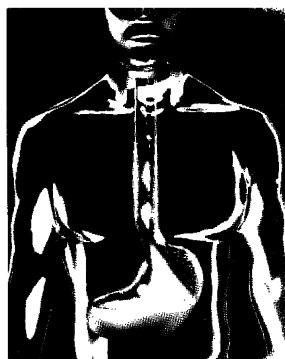
**Integumental**—Urticaria was reported significantly more frequently in nizatidine- than in placebo-treated patients. Rash and exfoliative dermatitis were also reported.

**Hypersensitivity**—As with other H<sub>2</sub>-receptor antagonists, rare cases of anaphylaxis following nizatidine administration have been reported. Rare episodes of hypersensitivity reactions (eg, bronchospasm, laryngeal edema, rash, and eosinophilia) have been reported.

**Other**—Hyperuricemia unassociated with gout or nephrolithiasis was reported. Eosinophilia, fever, and nausea related to nizatidine have been reported.

**Overdosage:** Overdoses of Axid have been reported rarely. If overdosage occurs, activated charcoal, emesis, or lavage should be considered along with clinical monitoring and supportive therapy. The ability of hemodialysis to remove nizatidine from the body has not been conclusively demonstrated; however, due to its large volume of distribution, nizatidine is not expected to be efficiently removed from the body by this method. PV 2093 AMP [101591]

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Brochures and registration forms are available from the contact person or organization sponsoring the program.

June 4-6—**Arizona Medical Association—Annual Meeting.** Scottsdale. Thurs-Sat. Contact: ArMA.

### CONTACT INFORMATION

ArMA—Contact: Arizona Medical Association, 810 W. Bethany Home Rd, Phoenix, AZ 85013. (602) 246-8901.

Mayo Clinic-Scottsdale—Contact: Jodi Lee Smith, Postgraduate Courses, Mayo Clinic-Scottsdale, (602) 391-8300.

U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-7832.

## CALIFORNIA, HAWAII, AND NEVADA

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### ANESTHESIOLOGY

May 17-22—**Anesthesiology Review Course.** UCSD at San Diego Princess Resort. Sun-Fri. Contact: UCSD.

### CARDIOLOGY

May 26-28—**2nd Annual Symposium on Coronary Stenting: A Live Demonstration Course.** Scripps Clinic and Research Foundation at Sheraton Grande Torrey Pines Hotel, La Jolla. Tues-Thurs. 20 hrs. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla. (619) 554-8556.

May 30—**Regression of Coronary Artery Disease.** UCD at Cancer Center Auditorium, Sacramento. Sat. Contact: UCD.

July 26-August 1—**Current Concepts in Cardiology.** UCD at Hyatt Regency Lake Tahoe, Incline Village, Nevada. Sun-Thurs. 19 hrs. Contact: UCD.

August 13-15—**Critical Care Cardiology.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 15 hrs. \$325-\$425. Contact: UCSF.

September 12—**Stress Echocardiography.** Sutter Health at Hyatt Regency, Sacramento. Sat. Contact: Sutter Health, (916) 733-3883.

September 25—**Primary Care Issues in Cardiovascular Disease.** Alta Bates Medical Center at Medical Center Auditorium. Fri. 7 hrs. \$75. Contact: Mary Grim, (510) 204-1420.

September 25-26—**Coronary Interventions: 1992.** Scripps Clinic and Research Foundation at Sheraton Grande Torrey Pines Hotel, La Jolla. Fri-Sat. 14 hrs. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

October 1-3—**Cardiology Update—1992.** UCSF at Quail Lodge, Carmel. Thurs-Sat. 11 hrs. \$445. Contact: UCSF.

### DERMATOLOGY

May 16-17—**Advanced Dermatologic Surgery Workshop.** UCLA at Dermatologic Surgery Center. Sat-Sun. 15 hrs. \$400-\$800. Contact: UCLA Extension.

July 14-18—**Dr. Hugh Greenway's Eighth Annual Conference: Superficial Anatomy and Cutaneous Surgery.** Scripps Clinic and Research Foundation at UCSD Campus and Scripps Clinic, La Jolla. Wed-Sat. 36 hrs. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla. (619) 554-8556.

July 30-August 1—**Workshop in Dermatopathology.** Scripps Clinic and Research Foundation at Sheraton Grande Torrey Pines Hotel, La Jolla. Thurs-Sat. 24 hrs. \$425. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla. (619) 554-8556.

August 10-12—**Dermatology for the Non-Dermatologist.** Continuing Medical Education Associates at Hotel Del Coronado, San Diego. Mon-Wed. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

October 17-18—**The Skin From A to Z: Tips on Practical Therapy and Office Techniques.** UCSF. Sat-Sun. Contact: UCSF.

### EMERGENCY MEDICINE

May 31-June 3—**21st Annual Scientific Assembly.** CAL/ACEP at Westin Mission Hills Resort, Rancho Mirage. Sun-Wed. 13.5 hrs. Contact: CAL/ACEP, (800) 735-2237.

June 22-26—**Emergency Medicine Symposia III.** UCSD at San Diego Hilton Beach and Tennis Resort. Mon-Fri. Contact: UCSD.

August 17-21—**Emergency Medicine Symposia II.** UCSD at Basic Science Building. Mon-Fri. Contact: UCSD.

August 19-23—**Wilderness Medicine: 1992.** American College of Emergency Physicians at Squaw Valley, Lake Tahoe. Wed-Sun. 21 hrs. \$395. Contact: Gene Allred, MD, PO Box 321, Yreka 96097. (800) 888-5632.

October 10—**Emergency Medicine.** Sutter Health at Sheraton Sunrise, Rancho Cordova. Sat. Contact: Sutter Health, (916) 733-3883.

October 19-23—**Emergency Medicine Symposia I.** UCSD at La Jolla Marriott. Mon-Fri. Contact: UCSD.

October 26-30—**21st Annual Topics in Emergency Medicine.** UCSF at Ritz-Carlton, San Francisco. Mon-Fri. 32 hrs. \$560. Contact: UCSF.

October 29-November 1—**14th Year Biannual Wound Management Workshop.** UCSD at La Jolla Marriott. Thurs-Sun. 18 hrs. Contact: Edith Bookstein, PO Box 2586, La Jolla 92038. (619) 454-3212.

### FAMILY PRACTICE/PRIMARY CARE

May 26-30—**Family Practice Refresher Course.** UCLA-Santa Monica Hospital Medical Center at Miramar Sheraton Hotel, Santa Monica. Tues-Sat. 32 hrs. \$445. Contact: UCLA Extension.

June 3—**Primary Care AIDS Update 1992—Maximizing Quality and Length of Life.** Alta Bates Medical Center at Medical Center Auditorium. Wed. 7 hrs. \$120. Contact: Mary Grim, (510) 204-1420.

June 15-20—**UCI Family Practice Refresher Course.** Memorial/UCI Center for Health Education at Marriott Hotel, Newport Beach. Mon-Sat. Contact: UCI.

June 18-21—**Office Gynecology: Primer for the Primary Care Physician.** UCLA at Disneyland Hotel, Anaheim. Thurs-Sun. 18 hrs. \$188-\$325. Contact: UCLA Extension.

July 6-9—**Family Practice Board Review Course.** UCSF at Cathedral Hill Hotel, San Francisco. Mon-Thurs. 25 hrs. \$400. Contact: UCSF.

July 30-August 2—**Orthopedics for the Primary Care Physician.** UCLA at Disneyland Hotel, Anaheim. Thurs-Sun. 20 hrs. \$206-\$375. Contact: UCLA Extension.

August 7-9—**Cardiology for the Family Physician and Internist.** Continuing Medical Education Associates at Hotel Del Coronado, San Diego. Mon-Wed. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

(Continued on Page 476)

## CONTINUING MEDICAL EDUCATION

(Continued from Page 474)

August 21-23—**Office Gynecology for the Primary Care Physician.** SDSU at Hyatt Islandia, San Diego. Fri-Sun. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

August 21-23—**Primary Care Medicine: A Practical Approach.** Scripps Clinic and Research Foundation at Loews Coronado Bay Resort, Coronado Island, San Diego. Fri-Sun. 16 hrs. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

September 23-25—**7th Annual Primary Care Medicine: Principles and Practice.** UCSF at Sheraton Palace Hotel, San Francisco. Wed-Fri. 15 hrs. \$485. Contact: UCSF.

## GERIATRICS

May-June 1992—**Health Aspects of Aging: Promoting Health and Preventing Disability.** UCLA at School of Public Health. Tuesdays. \$225. Contact: UCLA.

## INFECTIOUS DISEASES

September 19—**AIDS.** Sutter Health at Sacramento Inn. Sat. Contact: Sutter Health, (916) 733-3883.

## INTERNAL MEDICINE

May 23-25—**California Society of Internal Medicine—Annual Meeting.** Hotel Del Coronado, San Diego. Contact: Cynthia Eaton, CSIM, (415) 882-5198.

June 22-26—**20th Annual Advances in Internal Medicine.** UCSF at Cole Hall Parnassus Campus. Mon-Fri. 32 hrs. \$610. Contact: UCSF.

August 23-28—**New Advances in Internal Medicine.** UCD at Hyatt Regency, Monterey. Sun-Fri. 25 hrs. \$480. Contact: UCD.

August 29-September 3—**10th Comprehensive Nephrology Review Course.** UCLA at Beverly Hilton Hotel, Beverly Hills. Sat-Thurs. 51 hrs. \$850. Contact: UCLA Extension.

## KEY TO ABBREVIATIONS

CMA:	California Medical Association Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 541-0900.
CPMC:	California Pacific Medical Center Contact: Continuing Education, California Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 923-3441.
DREW:	Charles R. Drew Postgraduate Medical School Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th St. Los Angeles 90059. (213) 603-3183.
LLU:	Loma Linda University Contact: James J. Couperus, MD, Associate Dean for Educational Affairs, Loma Linda University School of Medicine, Loma Linda 92350.
STAN:	Stanford University Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
UCD:	University of California, Davis Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Blvd, Sacramento 95817. (916) 734-5390.
UCI:	University of California, Irvine Contact: Melvin I. Marks, MD, Director, Memorial/UCI Center for Health Education, Long Beach Memorial Medical Center, 2801 Atlantic Ave, PO Box 1428, Long Beach, California 90801-1428. (213) 595-3811.
UCLA:	University of California, Los Angeles Extension Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (310) 825-8423.
UCSD:	University of California, San Diego Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 534-3940.
UCSF:	University of California, San Francisco Contact: Janet Johnson, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.
USC:	University of Southern California Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (800) 872-1119.

## NEUROLOGY

July 30-August 1—**New Advances in Common Neurological Disorders.** UCSD at Catamaran Hotel, San Diego. Thurs-Sat. Contact: UCSD.

October 23-24—**Transcranial Doppler and Cerebral Blood Flow Monitoring: Applications in Neurology, Neurosurgery and Anesthesiology.** UCLA at Sheraton Miramar Hotel, Santa Monica. Fri-Sat. Contact: UCLA Division of Neurosurgery, (310) 206-0626.

## OB/GYN

June 5-7—**Advanced Fetal Heart Rate Monitoring.** Memorial/UCI Center for Health Education at Radisson Hotel, Palm Springs. Fri-Sun. Contact: UCI.

July 26-29—**5th Annual In Vitro Fertilization and Embryo Transfer: A Comprehensive Update—1992.** UCLA at Four Seasons Biltmore Hotel, Santa Barbara. Sun-Wed. 20.5 hrs. \$400-\$522. Contact: UCLA Extension.

July 29—**10th Annual Controversies in OB/GYN.** Memorial/UCI Center for Health Education at Mauna Kea, Hawaii. Wed-Sat. Contact: UCI.

## OCCUPATIONAL/ENVIRONMENTAL

June 4-5—**11th Annual Occupational and Environmental Medicine Symposium.** UCD at Sacramento Community Convention Center. Thurs-Fri. 18 hrs. \$145. Contact: UCD.

July 26-31—**Sports Medicine.** UCSD at San Diego Princess Resort. Sun-Fri. Contact: UCSD.

October 19-30—**Occupational and Environmental Medicine: Session II.** UCSF at Miyako Hotel, San Francisco. 1 1/2 wks. 80 hrs. \$1,400. Contact: UCSF.

## ONCOLOGY

October 12-18—**18th Annual Lukes Lymphoma Conference.** Scripps Clinic and Research Foundation at Sheraton Grande Torrey Pines Hotel, La Jolla. Mon-Sun. 25 hrs. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-6310.

October 24—**Melanoma and Pigmented Lesions.** Stanford University Medical Center at Fairchild Auditorium, Stanford. Sat. Contact: STAN.

## OPHTHALMOLOGY

May 15-16—**Pearls of Ocular Therapy.** Scripps Clinic and Research Foundation at La Jolla. Fri-Sat. Contact: Scripps Clinic, 403C, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

July 29-August 2—**Summer Institute.** American Academy of Ophthalmology at Sheraton Palace Hotel, San Francisco. Wed-Sun. \$325-\$500. Contact: Sarah Samuels, (415) 561-8515.

September 10-13—**Uveitis and Retinal Frontiers.** UCSF at Carmel Valley Ranch Resort. Thurs-Sun. Contact: UCSF.

## ORTHOPEDICS

June 14-19—**16th Annual Fingers to the Toes.** UCD at Stanford Sierra Camp, Fallen Leaf Lake. Sun-Fri. 28 hrs. \$510. Contact: UCD.

October 31—**Orthopedics Symposium.** Sutter Health at Sheraton Sunrise, Rancho Cordova. Sat. Contact: Sutter Health, (916) 733-3883.

## PATHOLOGY

May 1992—**Bay Area Seminars in Cytopathology: 1992.** UCSF at Health Sciences West on Campus. Thursdays. 10 hrs. \$150. Contact: UCSF.

May 16—**Fine Needle Aspiration Basic Tutorial.** UCSF. Sat. 12 hrs. \$650. Contact: UCSF.

May 21-22—**Current Issues in Anatomic Pathology: 1992.** UCSF at Holiday Inn Union Square, San Francisco. Thurs-Fri. 13 hrs. \$325. Contact: UCSF.

June 6—**Pathology Course.** Sutter Health at Buhler Building, Sacramento. Sat. Contact: Sutter Health, (916) 733-3883.

August 7-8—**Southwestern Regional Cryostat and Microscopically Controlled Surgical Workshop.** UCSD at La Jolla. Fri-Sat. 15 hrs. Contact: Daniel Gormley, MD, 412 W Carroll Dr, Ste 207, Glendora 91740. (818) 963-7684.

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## CONTINUING MEDICAL EDUCATION

(Continued from Page 476)

August 9-15—**12th Annual Comprehensive Fine Needle Biopsy Course.** UCSF at Ritz-Carlton, Mauna Lani Kohala Coast, Big Island of Hawaii. Sun-Sat. 27 hrs. \$950. Contact: UCSF.

October 10—**Fine Needle Aspiration: Advanced Tutorial XXI.** UCSF. Sat. 12 hrs. \$650. Contact: UCSF.

## PEDIATRICS

June 26-28—**Current Concepts in Pediatric Respiratory Diseases.** Children's Hospital San Diego at Hyatt Islandia Hotel, San Diego. Fri-Sun. Contact: Continuing Education, (619) 576-4072.

July 13-22—**Lactation Management Education Program.** UCSD. 1½ wks. Contact: UCSD.

July 17-August 5—**Lactation Management Education Program.** UCSD. 1½ wks. Contact: UCSD.

August 24-26—**Pediatrics Update: 1992.** SDSU at Hyatt Islandia, San Diego. Mon-Wed. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

September 21-26 & October 19-24—**Lactation Management Education Program.** UCSD at Wellstart, San Diego. Mon-Sat. Contact: UCSD.

October 19-22—**17th Annual Pediatrics for the Practitioner.** Long Beach Memorial at Mauna Kea Beach Hotel, Kamuela, Hawaii. Contact: Eunice Larson, MD, (310) 595-3422.

## PSYCHIATRY

June 5-7—**Treatment of Sexual Problems of Adults Molested as Children.** UCLA at Sunset Village Conference Center. Sat-Sun. 18.5 hrs. \$295-\$450. Contact: UCLA Extension.

July 24-28—**13th International Congress on Child and Adolescent Psychiatry: Violence and Vulnerability.** UCSF at Fairmont Hotel, Nob Hill, San Francisco. Fri-Tues. Contact: UCSF.

August 4-9—**Neuropsychiatric Aspects of Politics and Politicians.** American Academy of Family Physicians and Southern California Neuropsychiatric Institute at Mauna Kea Beach Hotel, Kamuela. Tues-Sun. 22.5 hrs. Contact: Ann McCormick, 6794 La Jolla Blvd, La Jolla 92037. (619) 454-2102.

August 7-11—**The Power of the Art—Suggestive Therapeutics: An Introduction to Medical Hypnosis.** UCSD at Mission Bay Hilton, San Diego. Fri-Tues. Contact: UCSD.

## PULMONARY MEDICINE

May 16—**Pulmonary Medicine.** Sutter Health at Sheraton Hotel, Rancho Cordova. Sat. Contact: Sutter Health, (916) 733-3883.

September 17-19—**11th Annual Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 15 hrs. \$410. Contact: UCSF.

## RADIOLOGY

May 18-22—**Practical Body Imaging: US, CT, and MRI in the 1990s.** UCSF at Marriott's Tenaya Lodge at Yosemite. Mon-Fri. 21 hrs. \$595. Contact: UCSF.

May 21-24—**Doppler and Duplex Imaging.** UCSD at Le Meridien Hotel, San Diego. Thurs-Sun. 21.5 hrs. Contact: UCSD.

June 4-6—**Interventional Hepatobiliary Radiology: Percutaneous Portal-caval Shunts, Biliary Stents, Tumor Chemoembolization, Lithotripsy.** UCSF at Ritz-Carlton, San Francisco. Thurs-Sat. 17.5 hrs. \$425. Contact: UCSF.

June 4-6—**Vascular Stents 1992: A Comprehensive Symposium.** Scripps Clinic and Research Foundation, La Jolla. Thurs-Sat. Contact: Scripps Clinic, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

July 17-19—**Vascular Imaging and Intervention for the '90s.** Stanford University Medical Center at Ritz-Carlton, San Francisco. Fri-Sun. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 20-22—**Diagnostic Imaging Update: Body Imaging, Mammography, MRI, Interventional.** Stanford University Medical Center at Ritz-Carlton, San Francisco. Mon-Wed. 10.5 hrs. \$350. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 20-24—**Clinical Imaging for the Non-Radiologist.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. 18.5 hrs. \$425. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 23-26—**Radiology for Non-Radiologists.** UCSD at Hotel del Coronado, San Diego. Thurs-Sun. 18.5 hrs. \$425. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 23-26—**Diagnostic Imaging Update: Body Imaging, Mammography, MRI, Interventional.** Stanford University Medical Center at Quail Lodge, Carmel. Thurs-Sun. 10.5 hrs. \$350. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 27-August 1—**Advanced Neuro MRI—Beyond Spin Echo and Musculoskeletal MRI.** Hoag Memorial Hospital Presbyterian at Ritz-Carlton Resort Hotel, Laguna Niguel. Mon-Sat. 32 hrs. \$645. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

August 10-14—**Radiology & Clinical Correlation for Non-Radiologists.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. Contact: UCSD.

September 9-11—**8th Annual Sonography Update.** UCSD at Hotel del Coronado, San Diego. Wed-Fri. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 12-13—**Sonography Registry Review.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 1-4—**Western Neuroradiological Society Annual Meeting.** Western Neuroradiological Society at Ritz-Carlton, San Francisco. Thurs-Sun. 11.5 hrs. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 24-25—**Musculoskeletal Imaging.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. 9 hrs. \$250. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 26-30—**17th Annual Postgraduate Radiology Course.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. 25.25 hrs. \$600. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 30-November 1—**12th Annual Interventional Radiology Course.** UCSD at Hotel del Coronado, San Diego. Fri-Sun. 16.5 hrs. \$350. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

## SURGERY

May 1992—**Temporal Bone Surgical Dissection Courses.** House Ear Institute at Los Angeles. 6 days each. 53 hrs. \$1100. Contact: Antonio De la Cruz, House Ear Institute, 2100 W 3rd St, Los Angeles 90057. (213) 483-4431, ext 7079.

June 25-27—**9th Annual Meeting on Arthroscopic Surgery of the Shoulder.** UCSD and Tri-City Orthopaedic Surgery Medical Group at Hyatt Regency, La Jolla. Thurs-Sat. Contact: James Esch, MD, 3905 Waring Rd, Oceanside 92056. (619) 940-2066.

September 14-18—**What's New in Vascular Surgery: A Comprehensive Review and Update.** UCLA at Miramar Sheraton, Santa Monica. Mon-Fri. 34 hrs. \$469-\$625. Contact: UCLA Extension.

October 31-November 7—**14th International Seminar on Operative Arthroscopy.** UCLA at Maui Marriott, Maui, Hawaii. 1 week. Contact: UCLA Extension.

## GENERAL/MULTIDISCIPLINARY

June 5-7—**Medicine Meets Virtual Reality.** UCSD at La Jolla Village Inn. Fri-Sun. Contact: UCSD.

July 12-17—**21st Annual Summer School of Alcohol, Tobacco and Other Drugs.** UCSD. Sun-Fri. Contact: UCSD Extension.

## COLORADO

This listing of continuing medical education programs in Colorado is compiled by the Denver Medical Society. To list CME programs here, please send information at least two months in advance to: Mr Robert L. Kennedy, Denver Medical Society, 1850 Williams Street, Denver, CO 80218; or telephone (303) 377-1850.

Brochures, course information, and registration forms are available from the contact person or organization.

June 12-13—**Fifth Annual Summer in the Mountains Conference.** Children's Hospital of Denver in Gunnison. Fri-Sat. Contact: Mary Haley, (303) 861-6946 or (800) 225-0010.

June 19-20—**Neonatal Resuscitation Course.** Children's Hospital of Denver in Laramie, Wyoming. Fri-Sat. Contact: Lois Pine, (303) 777-7166.

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## CONTINUING MEDICAL EDUCATION

(Continued from Page 484)

- June 23-25—**Community Health Traineeship**. Children's Hospital, Denver. Tues-Thurs. Contact: Pat Winter, (303) 861-6668.
- July 9—**Cultural Considerations in Perinatal Nursing**. Children's Hospital at University Hospital, Denver. Thurs. Contact: Trish Beachy, (303) 270-8376.
- August 17-21—**Respiratory Therapy Traineeship Program**. Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.
- September 10-13—**Rural Perinatal Traineeship Program**. Children's Hospital, Denver. Thurs-Sun. Contact: Pat Winter, (303) 861-6668.
- September 16-17—**Neonatal Resuscitation Hospital-Based Instructor Course**. Children's Hospital, Denver. Wed-Thurs. Contact: Pat Winter, (303) 861-6668.
- September 17, 24, October 1, 8—**Comprehensive Perinatal Nursing Course**. Children's Hospital at University Hospital, Denver. Four consecutive Thursdays. Contact: Trish Beachy, (303) 270-8376.
- October 23-24—**Fifteenth Annual Perinatal Conference**. Children's Hospital of Denver in Fort Collins. Fri-Sat. Contact: Sharon Adams, (303) 861-6946 or (800) 225-0010.
- November 19-22—**Rural Perinatal Traineeship Program**. Children's Hospital, Denver. Thurs-Sun. Contact: Pat Winter, (303) 861-6668.
- November 30-December 4—**Respiratory Therapy Traineeship Program**. Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.
- First Wednesday of Each Month—**Various Topics in Neurology**. Sponsored by the Colorado Society of Clinical Neurologists. Contact: Colorado Society of Neurologists, (303) 449-3566.

## CONTACT INFORMATION

U of Colo—Contact: University of Colorado School of Medicine, Office of Continuing Medical Education, 4200 E 9th Ave, Denver, CO. (303) 270-5195.

## IDAHO

- July 30-August 1—**Idaho Medical Association—Annual Meeting**. Coeur d'Alene. Thurs-Sat. Contact: Idaho Medical Assn, 305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888.

## NEW MEXICO

Information, requests for accreditation, and items to be listed should be sent to the chair of the CME Committee, New Mexico Medical Society, 7770 Jefferson, Suite 400, Albuquerque, NM 87109, at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 828-0237.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

- May 14-15—**6th Annual Multicultural Mental Health Conference on Family and Children**. Hilton Hotel, Albuquerque. Thurs-Fri. Contact: University of New Mexico School of Medicine, Office of CME, PO Box 713, Albuquerque 87131. (505) 277-3942.
- May 15-16—**New Mexico Medical Society Annual Meeting**. The Marshall Building, Albuquerque. Fri-Sat. Contact: Glenn Taylor, New Mexico Medical Society, 7770 Jefferson NE, Ste 400, Albuquerque 87109. (505) 828-0237 or (800) 748-1596.
- May 28-29—**3rd Annual Southwest Wound Care Symposium**. Holiday Inn-Pyramid, Albuquerque. Thurs-Fri. Contact: Diane Atchinson, PO Box 22569, Kansas City, MO 64113-0569. (816) 765-6644 or (800) 245-0372.
- July 13-17—**Imaging 1992: Ultrasound, CT, MR, and Mammography**. Eldorado Hotel, Santa Fe. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.
- September 7-11—**Mammography Update**. Eldorado Hotel, Santa Fe. Mon-Fri. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

## UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. Accredited institutions wishing to list AMA Category 1 CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, UT 84102; or phone (801) 355-5290. For information on CME accreditation, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution.

## MEDICAL GRAND ROUNDS

- Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

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- June 21-27—**School on Alcoholism, Drug Dependencies** (Sponsor: UUSM). Sun-Sat. U of U Browning Auditorium. Contact: UUSM.
- June 24-27—**Slice of Life: Interactive Video and Related Multimedia Technology in Health Education** (Sponsor: UUSM). Wed-Sat. U of U Eccles Genetics Auditorium. Contact: UUSM.
- July 12-17—**Update in Internal Medicine Focus on Ambulatory Care Medicine** (Sponsor: UUSM). Sun-Fri. Snowbird. Contact: UUSM.
- July 31-August 1—**UOS Shakespearean Festival Meeting** (Sponsor: UOS). Fri-Sat. Contact: UOS.
- August 6-8—**ISLD Dental Congress** (Sponsor: UUSM). Tues-Sat. Marriott Hotel, Salt Lake City. Contact: UUSM.
- September 10—**Monthly Meeting** (Sponsor: UOS). Thursday evening. Contact: UOS.

## SPONSORS OF COURSES—ABBREVIATIONS

- AHA: American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.
- CH: Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800.
- HCH: Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744.
- ITS: Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456.
- LDSH: LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100.
- LRH: Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050.
- MDH: McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141.
- MVH: Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.
- 144: 144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924.
- OSS: Ogden Surgical Society, PO Box 9311, Ogden 84409.
- PVH: Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061.
- UOS: Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
- USH: Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400.
- UUSM: University of Utah School of Medicine, Office of Continuing Medical Education, 50 N Medical Dr, Salt Lake City 84132. (801) 581-8664.
- VAMC: Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565.
- VVMC: Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.
- WRI: Western Rehabilitation Institute, 8074 S 1300 East, Sandy 84094. (801) 561-3400.

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## CONTINUING MEDICAL EDUCATION

(Continued from Page 486)

## WASHINGTON

The listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here, please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

May 15-16—**Medical and Orthopedic Issues of Active and Athletic Women.** Seattle. Fri-Sat. Contact: VMMC.

May 16—**Infectious Disease in Primary Care.** Seattle. Sat. Contact: U/W.

May 21-22—**Cardiology Conference.** Tacoma. Thurs-Fri. Contact: Multicare, (206) 594-1221.

May 22-23—**Medicine Update.** Seattle. Fri-Sat. Contact: U/W.

May 27—**Pesticide Medicine.** Eastern Washington. Wed. Contact: NW Center for Occupational Health and Safety, (206) 543-1069.

May 28-30—**Musculoskeletal Disease.** Seattle. Thurs-Sat. Contact: U/W.

May 29-30—**Spinal Cord Injury.** Seattle. Fri-Sat. Contact: U/W.

May 30—**The Fetal Patient.** Seattle. Sat. Contact: VMMC.

June 11—**Endocrinology.** Everett. Thurs. Contact: PNMEI, (206) 258-6322.

June 12-13—**Urology.** Seattle. Fri-Sat. Contact: U/W.

June 18-20—**Diabetes Update.** Seattle. Thurs-Sat. Contact: U/W.

June 22-23—**Advanced Cardiac Life Support.** Tacoma. Mon-Tues. Contact: PCMS.

June 25-27—**Refocus on Women's Health Care.** Seattle. Thurs-Sat. Contact: U/W.

June 26—**Sports Medicine.** Tacoma. Fri. Contact: Multicare, (206) 594-1221.

July 23-26—**Current & Emerging Issues in Cancer Pain.** Seattle. Thurs-Sun. Contact: U/W.

July 29-31—**STD Update.** Seattle. Wed-Fri. Contact: U/W.

July 30-August 1—**STD Update.** Seattle. Wed-Fri. Contact: U/W.

August 3-8—**Summer Seminar in Medical Ethics.** Seattle. Mon-Sat. Contact: U/W.

August 21-22—**Regional CME Network Meeting.** Seaside, Oregon. Fri-Sat.

September 14-18—**Family Practice Review.** Seattle. Mon-Fri. Contact: U/W.

September 23-24—**Critical Care.** Tacoma. Thurs-Fri. Contact: Multicare, (206) 594-1221.

## COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

PCMS CME—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

October 1-4—**Washington State Medical Association Annual Meeting.** Yakima. Thurs-Sun. Contact: WSMA.

October 15-17—**Endoscopic Sinus Surgery.** Seattle. Thurs-Sat. Contact: U/W.

October 22—**General Surgery Review.** Everett. Thurs. Contact: PNMEI, (206) 258-6322.

October 23—**Perinatology.** Fri. Tacoma. Contact: Multicare, (206) 594-1221.

November 12—**Dermatology.** Thurs. Everett. Contact: PNMEI, (206) 258-6322.

November 12-13—**Advances in Drug Therapy.** Seattle. Thurs-Fri. Contact: U/W.

November 20—**Orthopaedic Trauma Update.** Spokane. Fri. Contact: U/W.

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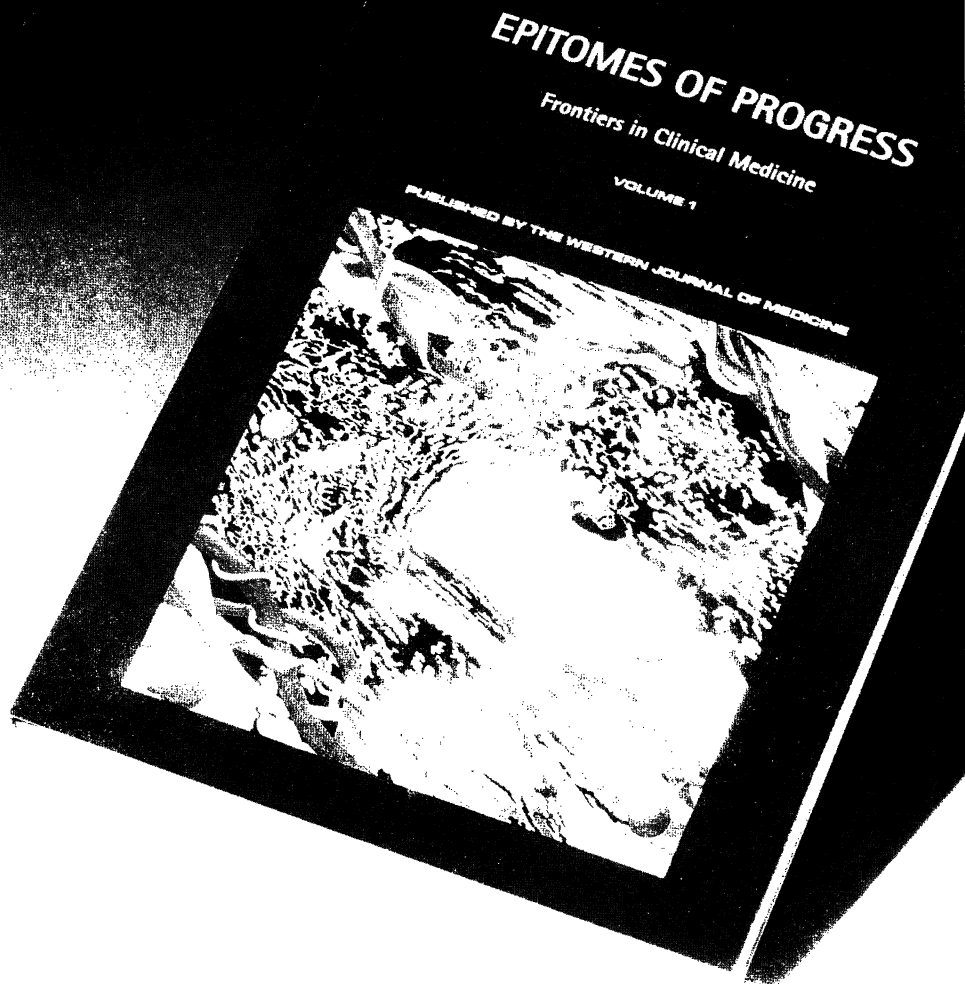
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### Books

3. Berne EJ: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, NY, Oxford University Press, 1966, pp 35-51 (author of book is same as author of chapter)

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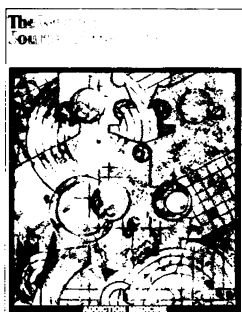
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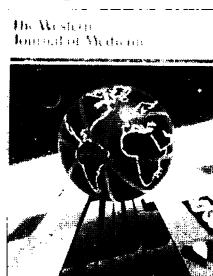


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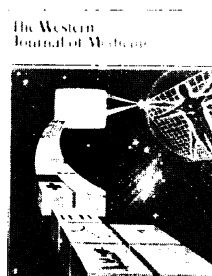


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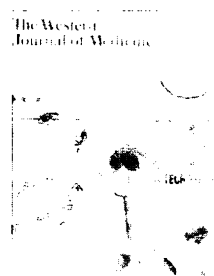
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